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Claims

A method for wireless data communication between a wireless device, which comprises means for short-range data communication, and an electronic device, characterised in that the method includes the following method steps:

- in a general purpose expansion memory location of the electronic device there is mounted a data communication device having means for short-range wireless data communication:
 - a short-range wireless data communication link between the wireless device and the data communication device is activated; and
- data is transmitted between the data communication device and the wireless device.
 - 2. A method according to claim 1, **characterised** in that in order to enable the data transmission from the electronic device to the wireless device the following method steps are performed after the installation of the data communication device and before the activation of the data communication link:
 - data is input to the electronic device; and
 - the data is processed in the data communication device installed in an expansion memory location.
 - 3. A method according to claim 2, characterised in that the data processing in the data communication device is made by instructions from the electronic device.
 - 4. A method according to claim 1, **characterised** in that the data communication between the data communication device and the wireless device is made over an LPRF link.
- 5. A method according to claim 1, **characterised** in that that the data communication device and the wireless device is made on the basis of instructions given by the wireless device.
 - 6. A method according to claim 1, **characterised** in that the data communication between the data communication device and the wireless device is made automatically on the basis of the logic of the data communication device so that it is activated by the storage of data.
 - 7. A method according to claim 2, **characterised** in that the input data is a picture reflected as light through the objective of a camera.

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- 8. A communications device for wireless data communication between a wireless device, which has means for a short-range data link, and an electronic device, characterised in that the data communication device comprises:
- a controller connectable to a general purpose interface of an expansion memory location of the electronic device, for controlling the operation of the data communication device.
 - a short-range wireless data communication unit and an antenna for data communication; and
 - a memory for storing the communicated data.
- 10 9. A data communication device according to claim 8, **characterised** in that the controller of the data communication device comprises:
 - a serial to parallel converter for converting parallel mode information of the memory into serial mode used by the short-range data communication unit, and correspondingly the serial mode information into the parallel mode;
- a splitter for connecting a parallel mode write and read connection of the memory alternatively to the interface of the expansion memory location of the electronic device or to the serial to parallel converter for a short-range data communication link; and
 - a microcontroller for controlling the serial to parallel converter and the splitter.
- 20 10. A data communication device according to claim 8, **characterised** in that the short-range data communication unit is a LPRF unit.
 - 11. A data communication device according to claim 10, **characterised** in that it comprises means for supplying a busy signal to the electronic device when the memory is processed by the radio link, and a busy signal to the LPRF unit when the memory is processed by the electronic device.
 - 12. A data communication device according to claim 10, **characterised** in that it comprises means for giving to the microcontroller
 - an operation enable signal enabling the operation of the data communication device when the memory is processed by the electronic device, and
- a busy signal when the LPRF unit is occupied for data communication.